

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-26. (Cancelled)

27. (Currently Amended) ~~The~~ A camera for shape measuring or object extracting, having light-emitting means ~~for~~ of irradiating an object with projected light having a specified radiation pattern, for image-picking up reflected light of ~~said~~ the light-emitting means from ~~said~~ the object to obtain a depth image using light intensity of ~~the~~ an image picked up, comprising:

recording media for recording the depth image;

object extracting means ~~for~~ of extracting only an object which exists less than a depth distance denoted by ~~the~~ a user, or only an object which exists within a range of a depth distance denoted by the user by using ~~said~~ the recorded depth image picked up.

28. (Currently Amended) ~~The~~ A camera according to claim 27, further comprising ~~characterized in that~~ a display panel for displaying the extracted object, wherein a portion taken for the background or foreground with respect to the displayed object by a malfunction in said ~~an~~ extracting process is denoted by touching said touch panel by the user, whereby said ~~the~~ erroneous background or foreground extracting operation can be ~~is~~ corrected.

29-32. (Cancelled)

33. (Withdrawn) A camera for shape measuring or object extracting, comprising light-emitting means for irradiating an object with projected light having a specified radiation pattern, for image-picking up reflected light of said light-emitting means from said object to obtain a depth image using light intensity of the image picked up,

said camera serves dually as a video camera capable of picking up a motion image to record it in a recording medium while said light-emitting means does not emit any light, and

an index signal is added, to image data picked up when said light-emitting means emits light, and a depth image is calculated using only a specified image to which said index signal has been added.

34. (Cancelled)

35. (Currently Amended) ~~The A~~ camera according to claim 27, wherein ~~said the~~ object extracting ~~part means~~ extracts a color image for only ~~an the~~ object which exists less than ~~a the depth~~ distance denoted by the user, or only ~~an the~~ object which exists within ~~a the~~ range of ~~a the depth~~ distance denoted by the user.